

Db 181 CCTGCCAGAAACATGCTGAAGATGGAACAAAGAGGCTGCAGCAATATGCCAAAAG 240
OY 267 TGGGCAAAACGATGATTAACAGACAGTAACCCAAAGATCGAATACAGAGCTAAA 326
Db 241 TGGGCAAAACGATGATTAACAGACAGTAACCCAAAGATCGAATACAGAGCTAAA 300
OY 327 TGGGTGGAATCTCTACATGTCAGAGTCCCGCCAGCTCATGTGCACAAAGCAATCAAGC 386
Db 301 TGGGTGGAATCTCTACATGTCAGAGTCCCGCCAGCTCATGTGCACAAAGCAATCAAGC 360
OY 387 TGGTGTAGTACATGATTTTACTTTGTGTAGGGCCAAAGACTCCCAAGCAGTG 446
Db 361 TGGTGTAGTACATGATTTTACTTTGTGTAGGGCCAAAGACTCCCAAGCAGTG 420
OY 447 GTTGACATTAACAGGTTGTTGGTACTCTTCATACCTGTTGGATGTGGAATGGC 506
Db 421 GTTGACATTAACAGGTTGTTGGTACTCTTCATACCTGTTGGATGTGGAATGGC 480
OY 507 TACTGTCCCAATCAAAAAGTTCTAAAATACACTAGTGTGCCAATATTGTCTGTGGT 566
Db 481 TACTGTCCCAATCAAAAAGTTCTAAAATACACTAGTGTGCCAATATTGTCTGTGGT 540
OY 567 AATTGGCTAATAGACTATATGTCCCTTATGAAACAGAGCACCTTGTGCCAGTTGCCA 626
Db 541 AATTGGCTAATAGACTATATGTCCCTTATGAAACAGAGCACCTTGTGCCAGTTGCCA 600
OY 627 GATACTGTGACGATGAGTATGACCAATGTTGCAGATGACGAAGATCTGTATAGTAAC 686
Db 601 GATACTGTGACGATGAGTATGACCAATGTTGCAGATGACGAAGATCTGTATAGTAAC 660
OY 687 TGTAAAGTTTGAAGCTCAATTAACCTGTAAACATCACTGTGTAGGAGAGAGTGTGAG 746
Db 661 TGTAAAGTTTGAAGCTCAATTAACCTGTAAACATCACTGTGTAGGAGAGAGTGTGAG 720
OY 747 GCATCTGCAATGTGTCAAAAGCATTTATTAAATAGCATTAACACCGAGTAGGGCTA 806
Db 721 GCCTCTGCAATGTGTCAAAAGCATTTATTAAATAGCATTAACACCGAGTAGGGCTA 780
OY 807 TGTAGAGAGATGATGATTAATCTACTAGTTGGCATGTCTACTGATTTAACTAATACT 866
Db 781 TGTAGAGAGATGATGATTAATCTACTAGTTGGCATGTCTACTGATTTAACTAATACT 840
OY 867 ACCTGAGAAATGTAGGCATGTTGTATGATACATTTGATTTCAAAAGTTTCTCTGAGAT 926
Db 841 ACCTGAGAAATGTAGGCATGTTGTATGATACATTTGATTTCAAAAGTTTCTCTGAGAT 900
OY 927 CTGCTTTTATTTTACAAAATATTTTCAATACAAATGGTTAAAAAGAAACAAATCTAT 986
Db 901 CTGCTTTTATTTTACAAAATATTTTCAATACAAATGGTTAAAAAGAAACAAATCTAT 960
OY 987 AACACAACTTTGATTTTATATATTAACCTTTGTGATTAATTTACTGATTAATTA 1046
Db 961 AACACAACTTTGATTTTATATATTAACCTTTGTGATTAATTTACTGATTAATTA 1020
OY 1047 GGGTGAATAATTTGAAGTGTATCTCATATGACATTAAGTCACTAAAACCTGAGATGA 1106
Db 1021 GGGTGAATAATTTGAAGTGTATCTCATATGACATTAAGTCACTAAAACCTGAGATGA 1080
OY 1107 AAGTGAAATATATGTTCTAGAAACAAATGACAAAAGAACAAATATATTTTCACATGA 1166
Db 1081 AAGTGAAATATATGTTCTAGAAACAAATGACAAAAGAACAAATATATTTTCACATGA 1140
OY 1167 ACCCTGGCTGTAGTGTGCTTCCAGTGCACATTAAGGCTAAGCACTTCAAAAAGCT 1226
Db 1141 ACCCTGGCTGTAGTGTGCTTCCAGTGCACATTAAGGCTAAGCACTTCAAAAAGCT 1200
OY 1227 TTTCACAAATGCTGTCTTAATCTTTTCACTCAATTAACCTTCTTCCCAATCATGTGGT 1286
Db 1201 TTTCACAAATGCTGTCTTAATCTTTTCACTCAATTAACCTTCTTCCCAATCATGTGGT 1260
OY 1287 GGCATCTCACAATGATGATGAAGTGTCTCTCAAAACAAATCCTGACTTTATTTTGC 1346
Db 1261 GGCATCTCACAATGATGATGAAGTGTCTCTCTCAAAACAAATCCTGACTTTATTTTC 1320

OY 1347 CAATATCAATACATCTTTGAATTTTATCTGATTAATTTTACAGTAAATATGATC 1406
Db 1321 CAATATCAATACATCTTTGAATTTTATCTGATTAATTTTACAGTAAATATGATC 1380
OY 1407 AAACCTTCAATTTTAAACCTCTCTCTCTTTGACAAAACCTTCTTAAAAAAGATACAG 1466
Db 1381 AAACCTTCAATTTTAAACCTCTCTCTCTTTGACAAAACCTTCTTAAAAAAGATACAG 1440
OY 1467 ATATATAGTAAATACCTCTCACTCAAGAGATGAAAGTCAAGCTCTCCCTGTGATG 1526
Db 1441 ATATATAGTAAATACCTCTCACTCAAGAGATGAAAGTCAAGCTCTCCCTGTGATG 1500
OY 1527 CTTCACATAAATACAGTACATCTTCCAAAGAGTGTGAGATGAAAGGAAACATAGTAA 1586
Db 1501 CTTCACATAAATACAGTACATCTTCCAAAGAGTGTGAGATGAAAGGAAACATAGTAA 1560
OY 1587 CTTTACAGGGGAGAAAATGACAAATGACGTCTTCACCAAGTATCAAAATTAACGTAC 1646
Db 1561 CTTTACAGGGGAGAAAATGACAAATGACGTCTTCACCAAGTATCAAAATTAACGTAC 1620
OY 1647 CAGTATAGTATCAATGATTTGTCTAGATATCTTTCTAAAAATTCATTAATCCCAATC 1706
Db 1621 CAGTATAGTATCAATGATTTGTCTAGATATCTTTCTAAAAATTCATTAATCCCAATC 1680
OY 1707 TAATATAGCTAAACATCCAGCAACATCAAGTGAAGAGCACTGTACAAAATATCCCT 1766
Db 1681 TAATATAGCTAAACATCCAGCAACATCAAGTGAAGAGCACTGTACAAAATATCCCT 1740
OY 1767 GGGGTATTTTATAGATTTCTCTCAAAACCTGTAAAAATCATGAAAAATTAAGGAATCTGAG 1826
Db 1741 GGGGTATTTTATAGATTTCTCTCAAAACCTGTAAAAATCATGAAAAATTAAGGAATCTGAG 1800
OY 1827 AAACATCAACAGCAGATGAGACTAAGAGACATGTGAGCAAAATGCAATGTCTCTT 1886
Db 1801 AAACATCAACAGCAGATGAGACTAAGAGACATGTGAGCAAAATGCAATGTCTCTT 1860
OY 1887 GATGATCTCTGAGACAGAAAAGATCAGTAATGCAAAAAACATGAGAGTGTGAATGA 1946
Db 1861 GATGATCTCTGAGACAGAAAAGATCAGTAATGCAAAAAACATGAGAGTGTGAATGA 1920
OY 1947 ATCTGAGTATTTTAAACAGTATGTGATTTCTTAATCTTGACAAATATACAGGATGA 2006
Db 1921 ATCTGAGTATTTTAAACAGTATGTGATTTCTTAATCTTGACAAATATACAGGATGA 1980
OY 2007 TGTAAATGATATAGCTAGAGAAAGTGAAGTGGGTAGGCTATCTAGAAATCTCTGT 2066
Db 1981 TGTAAATGATATAGCTAGAGAAAGTGAAGTGGGTAGGCTATCTAGAAATCTCTGT 2040
OY 2067 ACTATCTTACCAATTTTGGCTTAAGTCTAAGAAAGCAATGCAAAATTAAGATCTTGA 2126
Db 2041 ACTATCTTACCAATTTTGGCTTAAGTCTAAGAAAGCAATGCAAAATTAAGATCTTGA 2100
OY 2127 AAAAAAAAAAAAAAAAAA 2144
Db 2101 AAAAAAAAAAAAAAAAAA 2118

RESULT 2
US-09-962-832-257
: Sequence 257, Application US/09962832
: Patent No. US20020110821A1
: GENERAL INFORMATION:
: APPLICANT: Eber, Reinhard
: TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sigs
: FILE REFERENCE: 689290-74
: CURRENT APPLICATION NUMBER: US/09/962, 832
: PRIOR FILING DATE: 2001-09-25
: PRIOR FILING DATE: 2000-09-25
: PRIOR APPLICATION NUMBER: US/60/235, 077
: PRIOR FILING DATE: 2000-09-25

Fri Mar 14 14:00:05 2003

us-09-698-781-2.rnpb

Page 4

[illegible]

```

Patent No.: US20020137139A1
GENERAL INFORMATION:
Applicant: Warren, Wesley C.
Applicant: Tao, Nengbing
Applicant: Byatt, John C.
Applicant: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AN
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 7641
LENGTH: 394
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 33-LIB2809-028-Q1-E1-A2
US-09-960-352-7641

Query Match
Best Local Similarity 77%. Score 165.8; DB 10; Length 394;
Matches 268; Conservative 0; Mismatches 126; Indels 7; Gaps 2;

QY 552 TATTGCTCGTGGTAAATTGGGCTAATATAGACTATATGCTCTTATGACAGAGACACT 611
DB 1 TACTGCTCGTGGTAAATTGGTGGGAGACCAACTGCTGCTTACCAAAAGGAAACCT 60
QY 612 TGTGCAATGGCCACAGATATACGTGACGATGACATGACACCAATGGTTGCAAGTAGAA 671
DB 61 TGTGCAACCTGCGCCCAATCATGTGTGACAGAGACATGACCAATAGTTGTGAGTAGAA 120
QY 672 GATCCCTATAGTAGACTGTAAAGTTGAACCTCATTACCTGTAAACATAGTGTGTC 721
DB 121 GATCATTATCTTCACTGTGCACTTTTAAAGAAACATGGACCTGTGCTCATTTTGTG 180
QY 732 AAGGACAGTTGCCAAGCATCCGCAATTTGTTCAAAACAGACTTTTAAATACCTTCA 791
DB 181 AAGACCAATTCGAAGGCTGCTGCAATTTGCAAGGCAAAATTTTAAATTCACAGCACT 240
QY 792 CACCGAGTAGGGCTATGTAGAGAGAGCTCAGATTACTTAAAGTTGGCATCTACTTA 851
DB 241 GACCGAGAGGGCTACATGAAAGAGGTGCAACAACATCACTCAATTTGATTTTACTAA 300
QY 852 GATTTAACATATAGCTGAGAAATGTAGGCGATTTGTATACATGTTGATTTCAAT 911
DB 301 CA-----AGAAATCACAGACATGTAGCTAAATTTGAT-TTCAAGTAGTAAGGT 353
QY 912 GTTTTCTTGAGTCTGTTTATTTTATTTTCAAAAATTT 952
DB 354 CTTTTCCTCGGATCTGCTTTTACTTACAGAAATTTT 394

RESULT 5
US-09-960-352-5507/c
Sequence 5507, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
Applicant: Warren, Wesley C.
Applicant: Tao, Nengbing
Applicant: Byatt, John C.
Applicant: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AN
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 5507
LENGTH: 449
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 24-LIB2809-005-Q1-E1-F7
US-09-960-352-5507

```


SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 119
 LENGTH: 1608
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-764-853-119

Query Match 4.9%; Score 104; DB 10; Length 1608;
 Best Local Similarity 63.6%; Pred. No. 8e-12;
 Matches 206; Conservative 2; Mismatches 107; Indels 9; Gaps 3;

OY 1779 AGTATTCCTCAAACTGTATTAATATGGAATATAGGCAATCTCTGAGAAACATCAG 1838
 DB 1039 AGTACTCTCAAACTGTATTAATATGGAATATAGGCAATCTCTGAGAAACATCAG 980
 OY 1839 ACCAGTACAGCTAGGAGACATGTGACCAATAGCAATGT-CTTCTGATCAGATCC 1897
 DB 979 CCAAGAGAGCTTAGGAGACATGTGACCAATAGCAATGTCTTGAATGGATCC 920
 OY 1898 TCGAAGAGAGAGCTAGTATGAAATAGTGAATAGTGAATAGTGAAT 1957
 DB 919 TAGAAGCTGAGAGAGCTAGTATGAAATAGTGAATAGTGAATAGTGAAT 860
 OY 1958 TTTTAA--CAGTAGTGTGATTTCTTATCTGACAAATATAGGAGGTATAGTAT 2014
 DB 859 ATATATATGATGAGAGATTTGATTTATTTTACAAATATGATGATGATGATGAT 800
 OY 2015 GATACCTTAGAGAACTGAACTGGGTGAGGCTATCTAGCAATTTCTCTACTATCTT 2074
 DB 799 GTTAAATATAGG-----GAAACTGGGTGAGGCAATGAGAAAGTCTGTACTATCTT 745
 OY 2075 ACCAAATTTTGGTAACTAGA 2098
 DB 744 TCCAGTATTTCTGTAAATCAAAA 721

RESULT 9
 US-09-764-877-2933
 Sequence 2933, Application US/09764877
 Patent No. US20020147140A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: PC005
 CURRENT APPLICATION NUMBER: US/09/764,877
 CURRENT FILING DATE: 2001-01-17
 PRIOR APPLICATION DATA REMOVED - refer to PALM or file wrapper
 NUMBER OF SEQ ID NOS: 4031
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 2933
 LENGTH: 3664
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-764-877-2933

Query Match 4.8%; Score 102.6; DB 10; Length 3664;
 Best Local Similarity 56.0%; Pred. No. 2e-11;
 Matches 360; Conservative 0; Mismatches 214; Indels 69; Gaps 5;

OY 1436 TTGACAAACTCTCTTAATAAAGATACAGATATATATAGTAATACCTCCACGAC 1495
 DB 2673 TAGACAAATCTCTCGGAGAAAGATTTCAATATTTATGTATCTCTGCTCCACG 2732
 OY 1496 GAGGTAGACAGCTCTCTCTCTGAGAGCTTCAATATCAGTACACTTCCAA 1555
 DB 2733 GAGATGAGCT-----CTCTTTAGATGAGCTCTGATGATGATGATGATGAT 2782
 OY 1556 AGATGAGATGAGAGAGAAACATAGTAACTTTACAGGAGAGAGAAATACAAATGAC 1615
 DB 2783 AGATGATGATGAG 2842
 OY 1616 GTCTTACCAAGTATCAAAATTAAGTCAAGATATAGTCAATTCAGAT----- 1666

DB 2843 ATCTCAGTCAAGTGTGATATGTCATCATCATCATCATCATCATCATCATCATCAT 2902
 OY 1667 -----TTGTTAGATATATCTTTCTAAATATCATATATATATATATATATATAT 1703
 DB 2903 TCTTTACATGATGTGACAAAAGAGGCTCATATCTTTCTTTGAAAGACCATGATCCCA 2962
 OY 1704 ATCTAATATGAGCTAAAGACATCCAGCAAGTGAAGGACATTTCTAATAATATC 1763
 DB 2963 ATTCATCATGAGC-AATTCATCATGAGCAGTCAAGGAGACATCTTAAATACAC 3021
 OY 1764 CTGGGCTATTTAGATATTTCTCAAACTGTAAATATCAATGAAATAGGATCT 1823
 DB 3022 -----TGTCAAGTCTGTCAAAACATCAAGGCTTAAATTTTGG-----CC 3066
 OY 1824 GAGAAACATCAGACACATGAGTAAAGAGACATGTGACCAATATGATGCTT 1883
 DB 3067 CTGAAAGCTGATCTACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3126
 OY 1884 CTGATCAGATCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1943
 DB 3127 TCTGGATGGGTCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3186
 OY 1944 AGATCTGAGATTTTAACTAGTCT-----TGATTTCTAATCTTGACAA 1992
 DB 3187 AAGGTATGATATTTATATATATATATATATATATATATATATATATATATAT 3246
 OY 1993 ATATACAGGATATGATGATGATATATATATATATATATATATATATATATAT 2035
 DB 3247 ATGTACCATATCTTATGTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3289

RESULT 10
 US-09-946-807-1/c
 Sequence 1, Application US/09946807
 Patent No. US20020165144A1
 GENERAL INFORMATION:
 APPLICANT: Stefansson, Hreln
 APPLICANT: Steinhorsdottir, Valgerdur
 APPLICANT: Gulcher, Jeffrey R.
 TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
 FILE REFERENCE: 2345, 2004-001
 CURRENT APPLICATION NUMBER: US/09/946,807
 CURRENT FILING DATE: 2001-09-05
 PRIOR APPLICATION NUMBER: US/09/795,668
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: US 09/515,716
 PRIOR FILING DATE: 2000-02-28
 NUMBER OF SEQ ID NOS: 1531
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 1503841
 LENGTH: 1503841
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc-feature
 LOCATION: (1)...(1531)
 OTHER INFORMATION: r-g or a
 FEATURE:
 NAME/KEY: misc-feature
 LOCATION: (1)...(1531)
 OTHER INFORMATION: y-l/u or c
 FEATURE:
 NAME/KEY: misc-feature
 LOCATION: (1)...(1531)
 OTHER INFORMATION: m-a or c
 FEATURE:
 NAME/KEY: misc-feature
 LOCATION: (1)...(1531)
 OTHER INFORMATION: k-g or l/u
 FEATURE:
 NAME/KEY: misc-feature
 LOCATION: (1)...(1531)
 OTHER INFORMATION: s-g or c

```
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: w-a or t/u
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: b-g or c or t/u
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: d-a or g or t/u
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: h-a or c or t/u
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: v-a or g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: n-a or g or c or t/u
US-09-946-807-1
```

Query Match 4.6%; Score 98.6; DB 9; Length 1503841;
Best Local Similarity 57.0%; Pred. No. 7.5e-10;
Matches 306; Conservative 0; Mismatches 209; Indels 22; Gaps 6;

```
OY 1467 ATATATAGGTAATACCTCCACTCAAGAGGTAGACTGAGTCCCTCCCTTGAGT 1526
DB 183025 AGAATTTATATAGACTTCTGCTTCAAGCAGAGGAGCATTAACCTCTCTTAAT 182966
OY 1527 CTTCACATAAATCAGTACCTCAAAAGAGTGGATGGAAG-GGAACATAGTA 1585
DB 182965 GTTAGCTTCATAGTATGATTTCTTTAAAGATACAGTAAACAGAGGGAGTA 182906
OY 1586 ACTTACAGGGAGGAGAAATGCAAAATGACGCTTCCACAGTGTCAAAATTAAGTCA 1645
DB 182905 ACTTATAGTGGAGAAACCTGACCACATCACTCAGTCAGGGAGGAGCATCA 182846
OY 1646 CCAAGTATAGTATGATTTCTTCTATATATCTTCTAAATTAATCCCAT 1705
DB 182845 ACAGTATGTCATGTTGA---TAGTATAGAGGCTTCTTCCAAATTAATCTTATAGTACT 182789
OY 1706 CTAATATAGAGCTAAACATCCAGCAATCAAGTTGAAGACATTTACAAATATGCC 1765
DB 182788 TTAATGA---GAAATATGCTCAAAACATCCCAATTAAGAAACGTTCTACAAATATGCC-- 182735
OY 1766 TGGGATATTTTATGATATCTCAAAATCTTAATAATTCATGAAATTAAGGAATCCTGA 1825
DB 182734 -----TGACCAGTACCTCTCAAAATCTTAAGATTTCAAAATTAAGGAATGCTGA 182883
OY 1826 GAAACATTCACAGACACATGAGACTAGAGACATGAGCCAAATGCAATGTCTTCT 1885
DB 182682 GAAAGTCCACAGCCAGAAAGTCCAAAGAAATGATGATGATACGTG-GTTTCC 182624
OY 1886 TGGATCAGATCTCGAAGCAGAAAGATCAGTATGA---AAAACTGATGAGAGTGGAA 1942
DB 182623 TGGATGGAATTTGGGAGCAAAAAGGAGGACATTAAGTAAATTAAGGAATCTGAG 182564
OY 1943 TAGATCTGAGATATTTTAAACAGTATGATTTCTTAATCTTGAAGAAATATAGC 1999
DB 182563 TGAATATGAACTTATGTTAATTAATTAATTAATTTGGCTAATCAACAAAATC 182507
```

RESULT 11
US-09-795-668-1/c
; Sequence 1, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn

```
APPLICANT: Steinhorsdottir, Valgerdur
APPLICANT: Guicher, Jeffrey R.
TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
FILE REFERENCE: 2345,2004-001
CURRENT APPLICATION NUMBER: US/09/795,668
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: US 09/515,716
NUMBER OF SEQ ID NOS: 1531
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1503841
```

```
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: r-g or a
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: y-l/u or c
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: m-a or c
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: k-g or t/u
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: s-g or c
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: v-a or t/u
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: b-g or c or t/u
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: d-a or g or t/u
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: h-a or c or t/u
NAME/KEY: misc_feature
LOCATION: (1)...(1531)
OTHER INFORMATION: n-a or g or c or t/u
US-09-795-668-1
```

Query Match 4.6%; Score 98.6; DB 10; Length 1503841;
Best Local Similarity 57.0%; Pred. No. 7.5e-10;
Matches 306; Conservative 0; Mismatches 209; Indels 22; Gaps 6;

```
OY 1467 ATATATAGGTAATACCTCCACTCAAGAGGTAGACTGAGTCCCTCCCTTGAGT 1526
DB 183025 AGAATTTATATAGACTTCTGCTTCAAGCAGAGGAGCATTAACCTCTCTTAAT 182966
OY 1527 CTTCACATAAATCAGTACCTCAAAAGAGTGGATGGAAG-GGAACATAGTA 1585
DB 182965 GTTAGCTTCATAGTATGATTTCTTTAAAGATACAGTAAACAGAGGGAGTA 182906
OY 1586 ACTTACAGGGAGGAGAAATGCAAAATGACGCTTCCACAGTGTCAAAATTAAGTCA 1645
DB 182905 ACTTATAGTGGAGAAACCTGACCACATCACTCAGTCAGGGAGGAGCATCA 182846
OY 1646 CCAAGTATAGTATGATTTCTTCTATATATCTTCTAAATTAATCCCAT 1705
DB 182845 ACAGTATGTCATGTTGA---TAGTATAGAGGCTTCTTCCAAATTAATCTTATAGTACT 182789
OY 1706 CTAATATAGAGCTAAACATCCAGCAATCAAGTTGAAGACATTTCAAAATATGCC 1765
DB 182788 TTAATGA---GAAATATGCTCAAAACATCCCAATTAAGAAAGTTCTCAAAATATGCC-- 182735
```


Page 9

RESULT 14
 US-09-805-204-3
 ? Sequence 3, Application US/09805204
 ? Patent No. US20020120110A1
 ? GENERAL INFORMATION:
 ? APPLICANT: NI et al.
 ? TITLE OF INVENTION: Steroid Hormone Receptor Polynucleotides, Polypeptides, and Antisense
 ? FILE REFERENCE: PTO16P1
 ? CURRENT APPLICATION NUMBER: US/09/805,204
 ? CURRENT FILING DATE: 2001-03-14
 ? PRIOR APPLICATION NUMBER: PCT/US00/24517
 ? PRIOR FILING DATE: 2000-09-07
 ? PRIOR APPLICATION NUMBER: 60/189,032
 ? PRIOR FILING DATE: 2000-03-14
 ? PRIOR APPLICATION NUMBER: 60/152,932
 ? PRIOR FILING DATE: 1999-09-09
 ? NUMBER OF SEQ ID NOS: 16
 ? SOFTWARE: Patentin Ver. 2.0
 ? SEQ ID NO 3
 ? LENGTH: 1734
 ? TYPE: DNA
 ? ORGANISM: Homo sapiens
 ? US-09-805-204-3

QY 1489 ACTGAGGAGTAGAACTCAGTCCTCCCTTGAGAGCTTCACTTAAATAGAGACTCA 1548
Db 1076 ACTCCAGGAGGAGGCGGTAACTCCCACTTCTAACTGTGGGCTCACATATAGACATC 1135
QY 1549 CTTCCAAAGATGGAGATGTGAAG--GGAACATGTACTTTACAGGGAGAAATG 1606
Db 1136 CTACCAAGAAATAGTATAGCAAGGAGGAAAGAGTAAGTAACTTGATGGAGAACTTA 1195
QY 1607 ACAATAGCGTCTTCACCAGTGCATAATTAATTCGTACCACTGATAGTACATTCAGAT 1666
Db 1196 ACAAACTGCTCTCAGCCAGGTGTCAAGCCACTGTGACAGTGTACAGTGA 1255
QY 1667 TTGTTAGATATCTTTCTAAAA-----TTGATATCCCAATCTAATTATGAG 1716
Db 1256 AGTGCATTCATATGACAGATGAGAAATGGCAATTTACCTGCACATCTTCCCTCCAAA 1315
QY 1717 CTAAACATCCAGCAACTCAAGTTGAGACATTCTCAAAATATCCCTGGGGTATTT 1776
Db 1316 CTAATATCTCTACTCATCAGACACAAACCTCAGTACAGAAACGTTCCAAAACCTGA 1375
QY 1777 AGAGTATTCCTCAAAACTGTAAAAATCATGAAAATAAGGAATCCTGAGAAACATCAC 1836
Db 1376 CTAGTACCCCCCTAAAACCATCAAGTCATCAAGAACATGTAGCTCGAAGAAATGATCAC 1435
QY 1837 AGACCAATAGAGATAGGAGAGACATGTGAGCCAAATGCAATGGATGCTTGATCAGATC 1896
Db 1436 AGCCGGAGAGACCTAAGG-----CTGGGTGCTTGGTATCTCGATATAGGATC 1487
QY 1897 CTGAGACGAAAAAGATCAATGATGAAAAAACTGATGAAGTCTGAATAGATCTGGAGTA 1956
Db 1488 CTGAGAGGAAAAAGG--CATTAAGTAAAAACCAAGGAATAGAAATTAAGGTATAACTT 1545
QY 1957 TTTTAACTAGTGTGATTTCTTAATCTTGACAAATAGTACAGGGTATGTAGATGA 2016
Db 1546 AATATATATCAATATATTAATTCATTATTTGTGCAAAATGTAACTAGTATGAAG---- 1601
QY 2017 TAAGCTTAGAGAACTGAAGAACTGGGTAGGGCTATCTAGAAATTCCTCTACTATCTTAC 2076
Db 1602 --ACATTTAAATGGGGAATTTGGGTATGTGTGGGAGAGAACTGTGTATTTCTATTG 1659
QY 2077 CAATTTTCCGTAGCTTAAGAAAAGCAATGCAAAATTAAGATCTCTGAAAAAAA 2136
Db 1660 CAAGCTTCTGTAAATGTAAACCTATTTGAAATATTAATAATTTATTTTAAAAAGAAA 1719
QY 2137 AAAAAAA 2144
Db 1720 AAAAAAA 1727

RESULT 15
 US-09-960-352-5743/C
 : Sequence 5743, Application US/09960352
 : Patent No. US20020137139A1
 : GENERAL INFORMATION:
 : APPLICANT: Warren, Wesley C.
 : APPLICANT: Tao, Nengbing
 : APPLICANT: Byatt, John C.
 : APPLICANT: Mahalingam, Nagappan
 : TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION A
 : FILE REFERENCE: 16511_006/37-21(10298)C
 : CURRENT APPLICATION NUMBER: US/09/960,352
 : CURRENT FILING DATE: 2001-09-24
 : NUMBER OF SEQ ID NOS: 15112
 : SEQ ID NO 5743
 : LENGTH: 502
 : TYPE: DNA
 : ORGANISM: Bos taurus
 : OTHER INFORMATION: Clone ID: 25-LIB2809-003-01-E1-G9

US-09-960-353-5743

Query Match 4.3%; Score 93.2; DB 10; Length 502;
Best Local Similarity 53.0%; Pred. No. 8.3e-10;
Matches 249; Conservative 0; Mismatches 213; Indels 8; Gaps 2;

```
OY 1416 TTTTAAACCTCTCTCTCTTGTGACAAACTCTCTTAAAGAAATACAGATATATAG 1475
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 501 TTTTAAAGCTCTCTCTCTTTTAAACAATTTCCCTTAAAAAATAATCAATTAAT 442
OY 1476 GTAAATACCTC---CAGTCAGAGAGTAGAAGTCACTCTCTCTCTGTGAGTCTTAC 1532
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 441 TTGGATTAACTTCTCTCTTTCAGAGTAGGAATTTGTCCACCCGTTATGTAGTGTGC 382
OY 1533 TAAATCAGTACTCACTTCCAAAGAGTGTGATGGAAGGAAACATAGTAATTAC 1592
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 381 TGAAGTTGGAGCTCGCTTCCAAAGCGAGAGTATGAACAGTGGAAATCTGGCAATA 322
OY 1593 AGGGAGAAAAATGACAAATGACGCTTCACCAAGTATCAAAATTAACGTACAGTGA 1652
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 321 ACATCTTAAGTATGATGATCAAAATTCACATCATTTACTGACTGCAATGAGCCATATG 262
OY 1653 TAAGTATTGATTTGTTCTAGATATCTTTCTAAAAATTCATAATCCAAATCTAATTA 1712
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 261 ATTCAATATCACCGTATATGATATTAAGAGATATACCTCTGTGTGCTCTTGTG 202
OY 1713 TGAGCTAAACATCCAGCAAACTCAAGTTGAGGACATCTTACAAATATCCCTGGGTA 1772
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 201 CAACCCAGTCTTATATGCAATTAACATCAACCAATCTAAATAGAAATAC----- 147
OY 1773 TTTTAGATATTCTCTCAAAAGTAAATATGAGAAATAGGAAATCTGAGAAACAA 1832
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 146 TTGATCAGAGACTCTCAAGCTGTCAAAATATAGCAATTAAGAAATTTGAGAAACGA 87
OY 1833 TCACAGACCAATGAGACTAGAGACATGTGAGCCAAATGCAATGTGCT 1882
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 86 TTACAGCCAGAGAGATTAAGGAGACAGAAACGAATACAAATCTGTGT 37
```

Search completed: March 14, 2003, 05:19:48
Job time : 7892 secs